

Title (en)
FLUID PUMP

Title (de)
FLÜSSIGKEITSPUMPE

Title (fr)
POMPE À FLUIDE

Publication
EP 3158195 B1 20180829 (EN)

Application
EP 15736410 A 20150617

Priority
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Abstract (en)
[origin: GB2527321A] A fluid pump comprises a conical body 22, 26 having an apex and a base and a mating surface 8 defined by a pump plate 4, 6 which includes inlet and outlet ports 14, 16. A flexible membrane 28 is secured on one side to the first part 22 of the conical body and is secured to the end plate 6 around its peripheral edge. The conical body 22, 26 is urged to precess about its apex by an inclined drive plate 36 such that at any given time the flexible membrane 28 defines a contact portion in contact with the mating surface 8 and a nonâ##contact portion which is spaced from the mating surface. A pump chamber, defined between the nonâ##contact portion of the flexible membrane 28 and the mating surface 8, rotates about an axis of the mating surface 8 as the conical body precesses about its apex; fluid is drawn into the pump chamber as it passes the fluid inlet port 14 and the fluid is urged out of the pump chamber as it passes the fluid outlet port 16.

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